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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/779,940

02/17/2004

Alessandro Dematteis

AGZP:113 US

9367

24041 7590 07/10/2007
SIMPSON & SIMPSON, PLLC
5555 MAIN STREET
WILLIAMSVILLE, NY 14221-5406

EXAMINER

HAUGLAND, SCOTT J

ART UNIT

PAPER NUMBER

3654

MAIL DATE

DELIVERY MODE

07/10/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/779,940	DEMATTEIS, ALESSANDRO	
	Examiner	Art Unit	
	Scott Haugland	3654	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 April 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 11,12,14 and 16-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 11,12,14 and 16-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2/22/07 has been entered.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 14 and 21-24 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 14 and 21 are indefinite since they depend from canceled claim 13.

Claim 14 recites the limitation "said at least one opening" on lines 1-2. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 11, 12, 14, 16, 17, 19, 21, 23, and 25-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Faeber et al (U.S. Pat. No. 3,037,557) in view of Atkins (U.S. Pat. No. 1,120,432).

Faeber et al discloses a roller for conveying a web comprising a first cylindrical tubular body 10 equipped with a plurality of radial holes 18 arranged in longitudinal rows. The tubular body 10 is capable of rotating with respect to a second inner fixed coaxial body 19. A suction chamber is defined between said first and said second body by means of sliding sealing elements 32, 33, 34, 39 that extend radially between the first and second tubular bodies. The sealing elements engage resiliently with the inner surface of the first cylindrical tubular body 10 as recited in claim 12 due to the bias of inserts 38.

Faeber et al does not disclose a suction chamber that extends the full length of the roller.

Atkins teaches making a suction chamber (defined by q, w, v, t, s) of a suction roller extend the full length of the roller.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to form the suction chamber of the roller of Faeber et al so that it

extends the full length of the roller to reduce complexity, number of parts, and cost of the device for uses where separate chambers are not required.

With regard to claim 16, the conveying roller of Faeber et al is capable of use for sheets in an interfolding machine.

Claims 18, 20, 22, and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Faeber et al (U.S. Pat. No. 3,037,557) in view of Atkins (U.S. Pat. No. 1,120,432) as applied to claims 17, 19, 21, and 23 above, and further in view of the admitted prior art of paragraphs [0003] (p. 1) through [0008] (p. 3) of the specification.

Faeber et al does not explicitly state that the apparatus is a machine selected from the group consisting of rewinding, winding, and interfolding machines.

The admitted prior art teaches using a conveying roller having a partial vacuum created inside the rollers in rewinding and interfolding machines to facilitate handling of web material.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to use the conveying roller of Faeber et al in a rewinding or interfolding machine as taught by the admitted prior art to more efficiently provide the required gripping force on the web material as it is fed through the machine.

Response to Arguments

Applicant's arguments filed 2/22/07 have been fully considered but they are not persuasive.

Applicant argues that claims 11 and 25 require two angularly distanced slidable sealing elements, while Atkins only discloses one and that Atkins does not disclose radially extending sliding sealing elements that resiliently engage an inner surface of the first cylindrical tubular body as required by claim 16. However, Faeber et al discloses two angularly distanced slidable sealing elements 32, 33, 34, 39. The sliding sealing elements 32, 33, 34, 39 extend radially between first 10 and second 19 tubular bodies and engage resiliently with the inner surface of the first cylindrical tubular body 10.

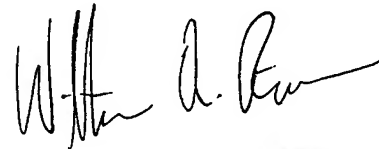
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott Haugland whose telephone number is (571) 272-6945. The examiner can normally be reached on Mon. - Fri., 10:00 am - 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gene Crawford can be reached on (571) 272-6911. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3654

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/SJH/
6/15/07

A handwritten signature in black ink, appearing to read 'William A. Rivera', is written over a horizontal line.

WILLIAM A. RIVERA
PRIMARY EXAMINER